This is a general layout, but may not be the final layout.

Connector P2 Viewed looking from the back of the backplane(back of crate).

	D E	C D	B C	A B	Z A
1		Ch_00_EM_P	VME_5V	Ch_00_HD_P	
2		Ch_00_EM_N	GND_PLANE	Ch_00_HD_N	VME_64_GND
3		Ch_04_EM_P		Ch_04_HD_P	
4		Ch_04_EM_N		Ch_04_HD_N	VME_64_GND
5		Ch_08_EM_P		Ch_08_HD_P	
6		Ch_08_EM_N		Ch_08_HD_N	VME_64_GND
7		Ch_12_EM_P		Ch_12_HD_P	
8		Ch_12_EM_N		Ch_12_HD_N	VME_64_GND
9		Ch_01_EM_P		Ch_01_HD_P	
10		Ch_01_EM_N		Ch_01_HD_N	VME_64_GND
11		Ch_05_EM_P		Ch_05_HD_P	
12		Ch_05_EM_N	GND_PLANE	Ch_05_HD_N	VME_64_GND
13		Ch_09_EM_P	VME_5V	Ch_09_HD_P	
14		Ch_09_EM_N		Ch_09_HD_N	VME_64_GND
15		Ch_13_EM_P		Ch_13_HD_P	
16		Ch_13_EM_N		Ch_13_HD_N	VME_64_GND
17		Ch_02_EM_P		Ch_02_HD_P	
18		Ch_02_EM_N		Ch_02_HD_N	VME_64_GND
19		Ch_06_EM_P		Ch_06_HD_P	
20		Ch_06_EM_N		Ch_06_HD_N	VME_64_GND
21		Ch_10_EM_P		Ch_10_HD_P	
22		Ch_10_EM_N	GND_PLANE	Ch_10_HD_N	VME_64_GND
23		Ch_14_EM_P		Ch_14_HD_P	
24		Ch_14_EM_N		Ch_14_HD_N	VME_64_GND
25		Ch_03_EM_P		Ch_03_HD_P	
26		Ch_03_EM_N		Ch_03_HD_N	VME_64_GND
27		Ch_07_EM_P		Ch_07_HD_P	
28		Ch_07_EM_N		Ch_07_HD_N	VME_64_GND
29		Ch_11_EM_P		Ch_11_HD_P	
30		Ch_11_EM_N		Ch_11_HD_N	VME_64_GND
31		Ch_15_EM_P	GND_PLANE	Ch_15_HD_P	
32	GND_PLANE	Ch_15_EM_N	VME_5V	Ch_15_HD_N	VME_64_GND

Note:

1) If 16 signals(1 ribbon) are grouped together,
 then four pleated foil cable assemblies are required for each paddle card.

2) If 32 signals(2 ribbons) are grouped together,
then two pleated foil cable assemblies are required for each paddle card.


Coaxial_Shield Ch_00_EM_P
Coaxial_Shield Ch_00_EM_N
Coaxial_Shield Ch_00_HD_P
Coaxial_Shield Ch_00_HD_N
is input connector cable #1
Coaxial_Shield Ch_04_EM_P
Coaxial_Shield Ch_04_EM_N
Coaxial_Shield Ch_04_HD_P
Coaxial_Shield Ch_04_HD_N
is input connector cable #2
Coaxial_Shield Ch_08_EM_P
Coaxial_Shield Ch_08_EM_N
Coaxial_Shield Ch_08_HD_P
Coaxial_Shield Ch_08_HD_N
is input connector cable #3
Coaxial_Shield Ch_12_EM_P
Coaxial_Shield Ch_12_EM_N
Coaxial_Shield Ch_12_HD_P
Coaxial_Shield Ch_12_HD_N
is input connector cable #4
is Ribbon #1 of 4 Ribbons
Coaxial_Shield Ch_01_EM_P
Coaxial_Shield Ch_01_EM_N
Coaxial_Shield Ch_01_HD_P
Coaxial_Shield Ch_01_HD_N
is input connector cable #1
Coaxial_Shield Ch_05_EM_P
Coaxial_Shield Ch_05_EM_N
Coaxial_Shield Ch_05_HD_P
Coaxial_Shield Ch_05_HD_N
is input connector cable #2
Coaxial_Shield Ch_09_EM_P
Coaxial_Shield Ch_09_EM_N
Coaxial_Shield Ch_09_HD_P
Coaxial_Shield Ch_09_HD_N
is input connector cable #3
Coaxial_Shield Ch_13_EM_P
Coaxial_Shield Ch_13_EM_N
Coaxial_Shield Ch_13_HD_P
Coaxial_Shield Ch_13_HD_N
is input connector cable #4
is Ribbon #2 of 4 Ribbons


Coaxial_Shield Ch_02_EM_P
Coaxial_Shield Ch_02_EM_N
Coaxial_Shield Ch_02_HD_P
Coaxial_Shield Ch_02_HD_N
is input connector cable #1
Coaxial_Shield Ch_06_EM_P
Coaxial_Shield Ch_06_EM_N
Coaxial_Shield Ch_06_HD_P
Coaxial_Shield Ch_06_HD_N
is input connector cable #2
Coaxial_Shield Ch_10_EM_P
Coaxial_Shield Ch_10_EM_N
Coaxial_Shield Ch_10_HD_P
Coaxial_Shield Ch_10_HD_N
is input connector cable #3
Coaxial_Shield Ch_14_EM_P
Coaxial_Shield Ch_14_EM_N
Coaxial_Shield Ch_14_HD_P
Coaxial_Shield Ch_14_HD_N
is input connector cable #4
is Ribbon #3 of 4 Ribbons
Coaxial_Shield Ch_03_EM_P
Coaxial_Shield Ch_03_EM_N
Coaxial_Shield Ch_03_HD_P
Coaxial_Shield Ch_03_HD_N
is input connector cable #1
Coaxial_Shield Ch_07_EM_P
Coaxial_Shield Ch_07_EM_N
Coaxial_Shield Ch_07_HD_P
Coaxial_Shield Ch_07_HD_N
is input connector cable #2
Coaxial_Shield Ch_11_EM_P
Coaxial_Shield Ch_11_EM_N
Coaxial_Shield Ch_11_HD_P
Coaxial_Shield Ch_11_HD_N
is input connector cable #3
Coaxial_Shield Ch_15_EM_P
Coaxial_Shield Ch_15_EM_N
Coaxial_Shield Ch_15_HD_P
Coaxial_Shield Ch_15_HD_N
is input connector cable #4
is Ribbon #4 of 4 Ribbons